

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/788,670
Filing Date	February 21, 2001
First Named Inventor	Hartvig W.J. EKNER
Art Unit	2193
Examiner Name	Do, Chat C.
Attorney Docket Number	1778.2110000 (0113.00US)

Sheet 1 of 8

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US1	3,614,406	10-1971	Brown	
	US2	3,642,744	02-1972	Moberly et al.	
	US3	3,654,621	04-1972	Bock et al.	
	US4	3,916,388	10-1975	Shrimp et al.	
	US5	4,023,023	05-1977	Bourrez et al.	
	US6	4,109,310	08-1978	England et al.	
	US7	4,126,896	11-1978	Yamazaki	
	US8	4,128,880	12-1978	Cray Jr.	
	US9	4,130,880	12-1978	Nutter	
	US10	4,173,041	10-1979	Dvorak et al.	
	US11	4,219,874	08-1980	Gusev et al.	
	US12	4,302,820	11-1981	Struger et al.	
	US13	4,307,445	12-1981	Tredennick et al.	
	US14	4,317,170	02-1982	Wada et al.	
	US15	4,320,820	11-1981	Struger et al.	
	US16	4,394,736	07-1983	Bernstein et al.	
	US17	4,396,982	08-1983	Wada et al.	
	US18	4,434,462	02-1984	Guttig et al.	
	US19	4,495,598	01-1985	Vahlstrom et al.	
	US20	4,507,731	03-1985	Morrison et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	FP1	JP 10-11289 A	01-1998	Mitsubishi Electric Corp.		T
	FP2	JP 11-003226	01-1999	Yung		T
	FP3	JP 11-174955	07-1999	Uchiyama et al.		T
	FP4	JP 2000-293507	10-2000	Kogure		T
	FP5	JP 2000-321979	11-2000	Fuda		T
	FP6	JP 07-182142	07-1995	Canon Inc.		
	FP7					
	FP8					
	FP9					

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	US21	4,520,439	05-1985	Liepa	
	US22	4,583,199	04-1986	Boothroyd et al.	
	US23	4,586,130	04-1986	Butts, Jr., et al.	
	US24	4,771,463	09-1988	Beeman	
	US25	4,773,006	09-1988	Kinoshita et al.	
	US26	4,811,215	03-1989	Smith	
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	US28	4,825,363	04-1989	Baumann et al.	
	US29	4,829,380	05-1989	Iadipao	
	US30	4,860,192	08-1989	Sachs et al.	
	US31	4,878,174	10-1989	Watkins et al.	
	US32	4,879,676	11-1989	Hansen	
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	US37	5,005,118	04-1991	Lenoski	
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	FP10					
	FP11					
	FP12					
	FP13					
	FP14					
	FP15					
	FP16					
	FP17					
	FP18					

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	US41	5,177,701	01-1993	Iwasa	
	US42	5,193,202	03-1993	Jackson et al.	
	US43	5,220,656	06-1993	Itomitsu et al.	
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	US55	5,550,768	08-1996	Ogilvie et al.	
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	FP19				
	FP20				
	FP21				
	FP22				
	FP23				
	FP24				
	FP25				
	FP26				
	FP27				

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		Number-Kind Code ² (if known)			
	US61	5,664,136	09-1997	Witt et al.	
	US62	5,666,298	09-1997	Peleg et al.	
	US63	5,671,401	09-1997	Harrell	
	US64	5,696,937	12-1997	White et al.	
	US65	5,713,035	01-1998	Ferrell et al.	
	US66	5,717,910	02-1998	Henry	
	US67	5,729,724	03-1998	Sharangpani et al.	
	US68	5,729,728	03-1998	Colwell et al.	
	US69	5,729,554	03-1998	Weir et al.	
	US70	5,758,176	05-1998	Agarwal et al.	
	US71	5,761,523	06-1998	Wilkinson et al.	
	US72	5,768,172	06-1998	Derby	
	US73	5,774,709	06-1998	Worrell	
	US74	5,794,003	08-1998	Sachs	
	US75	5,796,973	08-1998	Witt et al.	
	US76	5,798,923	08-1998	Laskowski	
	US77	5,809,294	09-1998	Ando	
	US78	5,812,147	09-1998	Van Hook et al.	
	US79	5,812,723	09-1998	Ohtsu et al.	
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	FP28					
	FP29					
	FP30					
	FP31					
	FP32					
	FP33					
	FP34					
	FP35					
	FP36					

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	US81	5,815,723	09-1998	Wilkinson et al.	
	US82	5,819,117	10-1998	Hansen et al.	
	US83	5,838,986	11-1998	Garg et al.	
	US84	5,848,255	12-1998	Kondo	
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	US86	5,850,452	12-1998	Sourgen et al.	
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	US88	5,875,336	02-1999	Dickol et al.	
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	US96	5,933,650	08-1999	Van Hook et al.	
	US97	5,961,629	10-1999	Nguyen et al.	
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	FP42					
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	FP44					
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	US101	6,009,261	12-1999	Scalzi et al.	
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	US104	6,058,500	05-2000	Desjardins et al.	
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	US106	6,122,738	09-2000	Millard	
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	FP47					
	FP48					
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	FP51					
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	FP54					

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	US121	6,425,124	07-2002	Tominaga et al.	
	US122	6,453,407	09-2002	Lavi et al.	
	US123	6,587,939	07-2003	Takano	
	US124	6,615,366	09-2003	Grochowski et al.	
	US125	6,625,726	09-2003	Clark et al.	
	US126	6,625,737	09-2003	Kissell	
	US127	6,651,160	11-2003	Hays	
	US128	6,658,561	12-2003	Benayoun et al.	
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	US130	6,952,478	10-2005	Lee et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	FP55					
	FP56					
	FP57					
	FP58					
	FP59					
	FP60					
	FP61					
	FP62					
	FP63					

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 8 of 8

Complete if Known

Application Number	09/788,670
Filing Date	February 21, 2001
First Named Inventor	Hartvig W.J. EKNER
Art Unit	2193
Examiner Name	Do, Chat C.
Attorney Docket Number	1778.2110000 (0113.00US)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US141	2006/0190518	08-2006	Ekner et al.	
	US142				
	US143				
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	US158				
	US159				
	US160				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² Number ³ Kind Code ⁴ (if known)			
	FP64				
	FP65				
	FP66				
	FP67				
	FP68				
	FP69				
	FP70				
	FP71				
	FP72				

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Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	09/788,670	
			Filing Date	February 21, 2001	
			First Named Inventor	Hartvig W.J. EKNER	
			Art Unit	2193	
			Examiner Name	Do, Chat C.	
			Attorney Docket Number	1778.2110000 (0113.00US)	
Sheet	1	of	2		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
	NPL1	Copy of European Search Report from European Appl. No. EP 02 71 7430, dated February 16, 2006, 3 pages.		
	NPL2	English language abstract for Japanese Patent Publication No. 11-003226 titled "Visual Instruction Set for CPU Having Integrated Graphics Function," inventor Robert Yung, published January 6, 1999.		
	NPL3	English language abstract for Japanese Patent Publication No. 11-174955 titled "Open Key Ciphering Device, Open Key Ciphering and Deciphering Device, and Deciphering Program Recording Medium," inventors Uchiyama et al., published July 2, 1999.		
	NPL4	English language abstract for Japanese Patent Publication No. 2000-293507 titled "Device and Method for Generating Expression Data in Operation of Finite Field," inventor Atsushi Kogure, published October 20, 2000.		
	NPL5	English language abstract for Japanese Patent Publication No. 2000-321979 titled "Polynomial Arithmetic Device, Device for Calculating Order of Elliptic Curve, Device for Generating Elliptic Curve, and Cryptographic System for Elliptic Curve," inventor Yuichi Fuda, published November 24, 2000.		
	NPL6	European Search Report cited in Application No. 02706275.1 - 2212 / 1386224 dated October 23, 2008.		
	NPL7	K.H. LEUNG, et al., "FPGA Implementation of a Microcoded Elliptic Curve Cryptographic Processor," IEEE, 2000, pp 68-76.		
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	NPL9	Patent Abstracts of Japan, Publication No. JP11203106 (July 30, 1999), English Language Abstract for JP Patent Application No. JP19980005096 (January 13, 1998).		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Application Number</i>	09/788,670
				<i>Filing Date</i>	February 21, 2001
				<i>First Named Inventor</i>	Hartvig W.J. EKNER
				<i>Art Unit</i>	2193
				<i>Examiner Name</i>	Do, Chat C.
Sheet	2	of	2	<i>Attorney Docket Number</i>	1778.2110000 (0113.00US)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL11	Patent Abstracts of Japan, Publication No. JP61223938 (October 4, 1986), English Language Abstract for JP Patent Application No. JP19850063782 (March 29, 1985).	
	NPL12	Patent Abstracts of Japan, Publication No. JP8314717 (November 29, 1996), English Language Abstract for JP Patent Application No. JP19960146619 (May 16, 1996).	
	NPL13	Patent Abstracts of Japan, Publication No. JP2003533829T (November 11, 2003), English Language Abstract for JP Patent Application No. JP20010585439T (May 7, 2001).	
	NPL14	TURLEY, J., "TI's New C6x DSP Screams at 1,600 MIPS," Microprocessor Report, February 17, 1997, pages 14-17.	
	NPL15	WALTER HOLLINGSWORTH et al., "The Clipper Processor: Instruction Set Architecture and Implementation," Communications of the ACM, Volume 32, Number 2, pages 200-219, ACM, February 1989.	
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	NPL17		
	NPL18		
	NPL19		
	NPL20		

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